

Records of some New British Plant-galls. V. More New Cecidomyid Galls.

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(Continued from vol. xxviii., p. 252.)

The following notes chiefly include some late autumn records, and practically complete our notes on Gall-midges for the season. So many interesting species have rewarded our spare time collecting this past season that we propose publishing a preliminary list of the British *Cecidomyiidae*, with special reference to the Gall-midges, as a basis for future work.

Our next contribution in this series will deal with Mite or Eriophyid-galls not previously recorded from the British Isles.

Lasioptera carophila, F. Loew.

Abroad this species is known to gall many species of Umbel though not recorded on *Anthriscus*.

DURHAM, on *Anthriscus silvestris*, Wolviston, J.W.H.H.

Lasioptera sp. (Houard, no. 251).

Swelling in stem (well above ground) of *Molinia coerulea*, containing a large orange larva.

DURHAM, near Lanchester, J.W.H.H.

Rhopalomyia valerii, Tavares.

On juniper; chiefly known from the Mediterranean on *Juniperus oxycedrus*, but recently (1912) recorded by Cotte from France, on the Common Juniper.

LANCASHIRE and WESTMORLAND, Hampsfell and Meathop Fell, Grange-over-Sands, R.S.B.

Oligotrophus panteli, Kieffer.

On juniper. Known throughout Europe.

LANCASHIRE and WESTMORLAND, Grange-over-Sands district, R.S.B.

Oligotrophus sp. (Houard, no. 125).

On juniper.

LANCASHIRE, Hampsfell, Grange-over-Sands, rare, R.S.B.

Phegobia tornatella, Bremi. (= Hcuard, no. 1,154).

Glabrous gall on upper surface of Beech leaves.

NORTHUMBERLAND, Langley Woods, R.S.B.

DURHAM, Gibside and Fencehouses, R.S.B.

CUMBERLAND, Alston, R.S.B.

Mayetiola dactylidis, Kieffer.

On Cock's-foot grass, *Dactylis glomerata*.

DURHAM, near Penshaw, R.S.B.

Mayetiola joannisi, Kieffer.

On *Poa nemoralis*.

DURHAM, between Wolviston and Billingham, Gibside, J.W.H.H.

LANCASHIRE, Grange-over-Sands, R.S.B.

[*Chortomyia hellwigi*, Rübs.]

On *Brachypodium silvaticum*. This is the Cecidomyid sp., no. 62, of Swanton, and Houard, no. 297.

DURHAM, Penshaw; locally common, R.S.B.

LANCASHIRE, Grange-over-Sands, R.S.B.

Macrolabis hieracii, Kieffer.

LANCASHIRE, Birkdale, on *Hieracium* sp., R.S.B.

(Connold records *M. corrugans* from *Hieracium boreale*, but it is almost certainly to be referable to this species).

Macrolabis hippocrepidis, Kieffer.

On *Hippocrepis comosa*.

WESTMORLAND, Meathop Fell, near Grange-over-Sands, in October; gall only, R.S.B.

Perrisia avillaris, Kieffer.

On *Trifolium* sp.

LANCASHIRE and WESTMORLAND, once near Grange-over-Sands.

Perrisia beckiana, Mik.

On *Inula squarrosa* (= *I. conyza*), Houard, 5,623.

LANCASHIRE, Grange-over-Sands; apparently plentiful, R.S.B. J.W.H.H. has observed similar galls on *Pulicaria dysenterica*.

Perrisia brunellae, Kieffer.

On *Prunella vulgaris*.

YORKSHIRE, Stainton, J.W.H.H.

NORTHUMBERLAND, Ovington, R.S.B.

Perrisia (Dasyneura) corylina, Kieffer (*coryli*, Rübs.).

LANCASHIRE, Grange-over-Sands, R.S.B.

YORKSHIRE, Guisborough, J.W.H.H.

Perrisia daphnes, Kieffer.

On *Daphne laureola*.

YORKSHIRE, Gunnergate, R.S.B.

Perrisia (Dasyneura) kiefferi, Marchal.

In flowers of ivy.

LANCASHIRE and WESTMORLAND, Grange-over-Sands; common, R.S.B.

DURHAM, Gibside, R.S.B.

YORKSHIRE, Middlesbrough and Gunnersgate, J.W.H.H.

Perrisia libera, Kieffer.

On Oak, somewhat analogous to *Oligotrophus coryli* on Hazel.

DURHAM, Fatfield, R.S.B.

Perrisia malpighii, Kieffer.

On Oak; parenchymous.

DURHAM, Gibside, R.S.B.

LANCASHIRE, Grange-over-Sands, R.S.B.

Perrisia sp.

In heads of *Centaurea scabiosa*; larvæ orange-red, small. Not the species recorded from heads of *C. nigra* (*Ent. Rec.*, 1916, p. 199), though that species and *P. mikii* have both been taken by us on *C. scabiosa*.

DURHAM, Claxheugh Rock, near Sunderland, R.S.B.

Perrisia sp.

In heads of a garden *Helianthus*, gregarious larvæ, golden yellow-orange to orange-red.

DURHAM, Fatfield, R.S.B.

? *Perrisia rübsaameni*, Kieffer.

In leaves of Hornbeam, parenchymous. The following records simply refer to clear-cut circular holes, which suggest the presence of this species, but require confirmation.

LANCASHIRE, Grange-over-Sands, R.S.B.

DURHAM, South-East, J.W.H.H.

Perrisia sp.

On Lime, like *P. thomasiana*, but larvæ, throughout growth, milk-white.

DURHAM, near Chester-le-Street.

Perrisia sp.

In flowers, which remain closed, of *Myosotis arvensis*. Kieffer has described two species from the flower of *M. palustris*.

LANCASHIRE, Grange-over-Sands, R.S.B.

Anabremia viciae, Kieffer (nom. nov. for *Clinodiplosis longiventris*, larva but not imago), already recorded by us.

Hadrobremia longiventris, Kieffer (imago not larva) = *Clinodiplosis trifolii*, already recorded by us.

Stictodiplosis (*Contarinia*) *umbellatarum*, Rübs.

Galling flowers of *Pimpinella magna*.

LANCASHIRE, near Grange-over-Sands, R.S.B.

Haplodiplosis (*Clinodiplosis*) *equestris*, B. Wagner.

LANCASHIRE, Grange-over-Sands, on a common grass, *Triticum*, sp., or near ally, R.S.B.

Harmandia pustulans (= Houard, 513).

On Aspen.

YORKSHIRE, Nunthorpe, J.W.H.H.

Clinodiplosis schlechtendali, Rübs.

At apex of seed-pod, *Convolvulus sepium*.

DURHAM, between Wolviston and Greatham, J.W.H.H.

Mycodiplosis, sp.

Crimson larvæ feeding on *Puccinea* sp. on *Cirsium arvensis*.

DURHAM, Fatfield, R.S.B.

Amblyspatha ormerodi, Kieffer.

Described from Scotland in 1913, See *Marellia*, vol. 12, p. 52.

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Cecidomyia sp. (Houard, 5,129).

On *Rhinanthus christi-galli*. This and the three following are recorded in Houard from the British Isles, but are not included in Swanton's catalogue.

Cecidomyia sp. (Houard, 2,456).

On *Thalictrum dunense*.

Cecidomyia sp. (Houard, 3,237).

On *Rosa spinosissima*.

Cecidomyia sp. (Houard (supplement), 1,911).

On *Brassica rapa*.

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Cecidomyia sp.

On *Quercus robur* and *Q. cerris*. Acorn dwarfed and deformed; larvæ gregarious; salmon-coloured, living in cup at base of acorn. Probably common.

DURHAM, Gibside, R.S.B.

LANCASHIRE, Grange-over-Sands, R.S.B.

YORKSHIRE, Middlesbrough, J.W.H.H.

SCIENTIFIC NOTES AND OBSERVATIONS.

RESTING ATTITUDE OF THE LYCAENIDÆ.—With regard to Mr. Hamm's experience of the resting attitude of *Polyommatus icarus* before retiring to rest (*antea*, p. 139), I can only say that my experience with this species is very similar, as I instanced in my previous note.

I also agree that *Rumicia phlaeas* is nothing like so constant as *P. icarus* in resting head downward, which to my mind is further evidence that my theory of the head-downward position of *P. icarus* has a relation to the sunning position, because *R. phlaeas* suns both head downward and head upward. *P. icarus* I should say very seldom suns head upward, at least I do not remember to have observed it.

A point that strikes me is that if it is necessary for *P. icarus* to rest head downward as a protection from birds, surely it would be equally necessary for *R. phlaeas* to do so also. I have seen *P. icarus* take up a position head downward, on a sunless afternoon, and repeatedly open their wings for a moment, as though expecting the sun to appear.

Mr. Hamm goes on to say that his experience does not support my interpretation of the head downward position, but unfortunately he does not give any concrete evidence of birds being deceived by the orange spots of *P. icarus*, and if there is anything in his suggestion of the black spots near the apex of the underside of the forewing of *R. phlaeas* being a directive mark to a possible enemy, I should be very sorry for the butterfly if a bird were hunting these insects at the time.